

THAT WHICH IS CLAIMED IS:

1. A dumpster for collecting and discharging solid waste comprising:
  - a floor having interior and exterior surfaces;
  - a pair of side walls having interior and exterior surfaces, each of said side walls extending upwardly from said floor and attached thereto;
  - a pair of end walls having interior and exterior surfaces, each of said end walls extending upwardly from said floor and attached to said floor and said side walls;
  - said floor, said side walls and said end walls defining an interior compartment for collecting the solid waste therein;
  - a pair of sleeves, each of said sleeves rotatably mounted to the exterior surface of one of said side walls and having an elongate opening formed therein sized to accommodate the lifting arm of a front loading refuse collection vehicle, said sleeves being rotatably mounted to permit the lifting arms to lift and tilt the dumpster to discharge the solid waste from the interior compartment without inverting the dumpster; and
  - at least one mechanical stop provided on one of said side walls for engaging the corresponding lifting arm to thereby reduce the stress exerted on the lifting arm when the lifting arms lift and tilt the dumpster to discharge the solid waste.
2. A dumpster according to claim 1 wherein said mechanical stop is affixed to the exterior surface of said side wall.
3. A dumpster according to claim 1 wherein said at least one mechanical stop comprises a pair of mechanical stops and wherein each mechanical stop is affixed to the exterior surface of a respective one of said side walls for engaging the corresponding lifting arm.
4. A dumpster according to claim 1 wherein said mechanical stop is generally L-shaped and comprises a flange extending outwardly from the exterior surface of said side wall.
5. A dumpster according to claim 1 further wherein one of said end walls comprises an upper

door having side panels and a lower door having side panels, the upper door and the lower door movable between a closed position and an opened position, and wherein the ends of said side walls adjacent said end wall are chamfered and the upper door, the lower door and the chamfered ends of said side walls define a discharge chute when the upper door and the lower door are in the opened position.

6. A dumpster according to claim 5 wherein the side panels of the upper door and the side panels of the lower door overlap the chamfered ends of said side walls.
7. A dumpster according to claim 5 wherein the upper door and the lower door are biased in the closed position.
8. A dumpster according to claim 5 wherein the lower door moves to the opened position under the weight of the solid waste in the interior compartment when the dumpster is tilted.
9. A dumpster according to claim 8 wherein the lower door is positioned inwardly of the upper door and the lower door opens the upper door when the dumpster is tilted.
10. A dumpster for collecting and discharging solid waste comprising:
  - a floor having interior and exterior surfaces;
  - a pair of side walls having interior and exterior surfaces, each of said side walls extending upwardly from said floor and attached thereto;
  - a pair of end walls having interior and exterior surfaces, each of said end walls extending upwardly from said floor and attached to said floor and said side walls; and
  - said floor, said side walls and said end walls defining an interior compartment for collecting the solid waste therein;
  - wherein one of said end walls comprises an upper door and a lower door, the upper door and the lower door movable between a closed position and an opened position; and
  - wherein the ends of said side walls adjacent the one of said end walls are chamfered.

11. A dumpster according to claim 10 wherein the upper door, the lower door and the chamfered ends of said side walls define a discharge chute when the upper door and the lower door are in the opened position.
12. A dumpster according to claim 10 wherein the upper door and the lower door each have side panels that overlap the chamfered ends of said side walls.
13. A dumpster according to claim 10 wherein the upper door and the lower door are biased in the closed position.
14. A dumpster according to claim 10 wherein the lower door moves to the opened position under the weight of the solid waste in the interior compartment when the dumpster is tilted.
15. A dumpster according to claim 14 wherein the lower door is positioned inwardly of the upper door and the lower door opens the upper door when the dumpster is tilted.
16. A dumpster for collecting and discharging solid waste comprising:
  - a floor having interior and exterior surfaces;
  - a pair of side walls having interior and exterior surfaces, each of said side walls extending upwardly from said floor and attached thereto;
  - a pair of end walls having interior and exterior surfaces, each of said end walls extending upwardly from said floor and attached to said floor and said side walls;
  - said floor, said side walls and said end walls defining an interior compartment for collecting the solid waste therein;
  - a pair of sleeves, each of said sleeves rotatably mounted to the exterior surface of one of said side walls and having an elongate opening formed therein sized to accommodate the lifting arm of a front loading refuse collection vehicle, said sleeves being rotatably mounted to permit the lifting arms to lift and tilt the dumpster to discharge the solid waste from the interior compartment without inverting the dumpster; and

at least one safety lock provided on one of the side walls for engaging the corresponding sleeve to thereby limit over travel of the dumpster when the lifting arms lift and tilt the dumpster.

17. A dumpster according to claim 16 wherein said safety lock is affixed to the exterior surface of said side wall.

18. A dumpster according to claim 16 wherein said at least one safety lock comprises a pair of safety locks and each safety lock is affixed to the exterior surface of a respective one of said side walls for engaging the corresponding sleeve.

19. A dumpster according to claim 16 wherein said safety lock comprises a locking arm rotatably mounted on a pivot pin and wherein the locking arm has a protruding lip that engages a receiving tab affixed to the corresponding sleeve.

20. A dumpster according to claim 16 wherein one of said end walls comprises an upper door having side panels and a lower door having side panels, the upper door and the lower door movable between a closed position and an opened position, and wherein the ends of said side walls adjacent the one of said end walls are chamfered and the upper door, the lower door and the chamfered side walls define a discharge chute when the upper door and the lower door are in the opened position.